

# **NEW MEXICO BROADBAND PROGRAM**

## **SCIENCE, TECHNOLOGY, AND TELECOMMUNICATION COMMITTEE**

**29 November 2011**

**By**

**NM Department of Information Technology**





# PROGRAM OVERVIEW

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- Goal: Broadband for All
  - Availability and Adoption
- Process:
  - Define Service Areas and Technologies
    - Served, Under Served, and Not Served
    - Wireless, Cable, DSL, Mobile, and Fiber
  - Identify Issues to Adoption
    - Socio Economic, Education, Market
  - Implement Steps to Increase Adoption
    - Survey, Training, Facility Access



# PROGRAM: Funds

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- NTIA ARRA “Stimulus” Funds
  - Total Federal Award: \$4.8M
    - State Match: \$1.2M (20% In Kind)
- Grant Components
  - Mapping: \$3.1M (Five Years)
  - Planning: \$500K (Five Years)
  - Capacity Building \$600K (Four Years)
  - Technical Assistance \$560K (Four Years)



**BROADBANDUSA**  
CONNECTING AMERICA'S COMMUNITIES

# PROGRAM: NM BB Portal

- State Broadband Information:
  - Program Overview
  - NM Broadband Map
  - Map Gallery – County Statistics
  - List of BTOP/BIP/SBI Grants and Contact
  - Speed Test
  - Surveys
  - News/Events
  - Links

TEST YOUR BROADBAND  
SPEED & QUALITY



NEW MEXICO BROADBAND  
PROGRAM HOME

NEW MEXICO BROADBAND  
MAPPING PROGRAM

NEWS & EVENTS

MAP GALLERY ▶

WORKING GROUPS ▶

NEW MEXICO BROADBAND  
GRANTEES

SURVEYS

OTHER LINKS

NEW MEXICO BROADBAND  
EXECUTIVE COMMITTEE

CONTACT US

## NEW MEXICO BROADBAND PROGRAM

The New Mexico Broadband Program's two major objectives are to *define broadband availability* and *enhance its adoption*. We are accomplishing these goals through several statewide projects.

- Mapping
- Planning
- Capacity Building
- Technical Assistance

### Mapping

- Acquiring customer and service area data twice yearly from each of the broadband telecommunication providers in New Mexico. These data are used to produce a Web map of areas being serviced by broadband and by which technologies. This map is updated after each data cycle.
- Collecting Community Anchor Institution data, including potential and existing broadband sites within New Mexico, to support CASA (Community Anchor Site Assessment).

You can use the interactive New Mexico Broadband Map at:

[www.nmbbmapping.org](http://www.nmbbmapping.org)

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## GOT BROADBAND?



DoIT's Interactive Web Map <sup>DoIT</sup> of  
Telecom Data, depicting:  
- Broadband Availability  
- Technology Types  
- Providers offering these services  
- Links to providers for more info  
[www.nmbbmapping.org](http://www.nmbbmapping.org)

## PARTICIPATING INTERNET SERVICE PROVIDERS

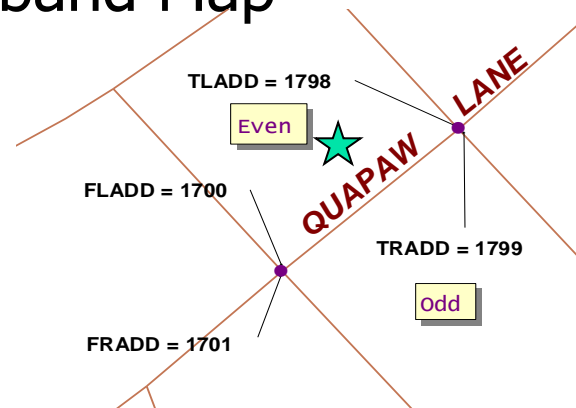
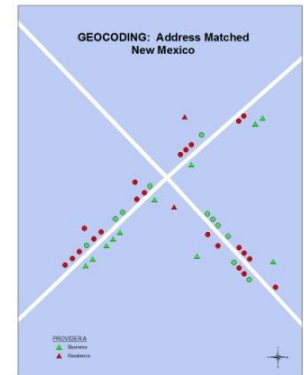


Portal: <http://www.doit.state.nm.us/broadband>

# MAPPING

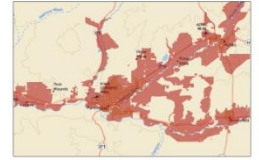


- Acquire Provider Data with NDA/Security
  - Process, Validate, and Document
- Upload to NTIA
  - Repeat Twice Yearly
- Create a Broadband Program Web Portal
  - Interactive Online Broadband Map
  - Broadband Map Gallery
  - Broadband Speed Test

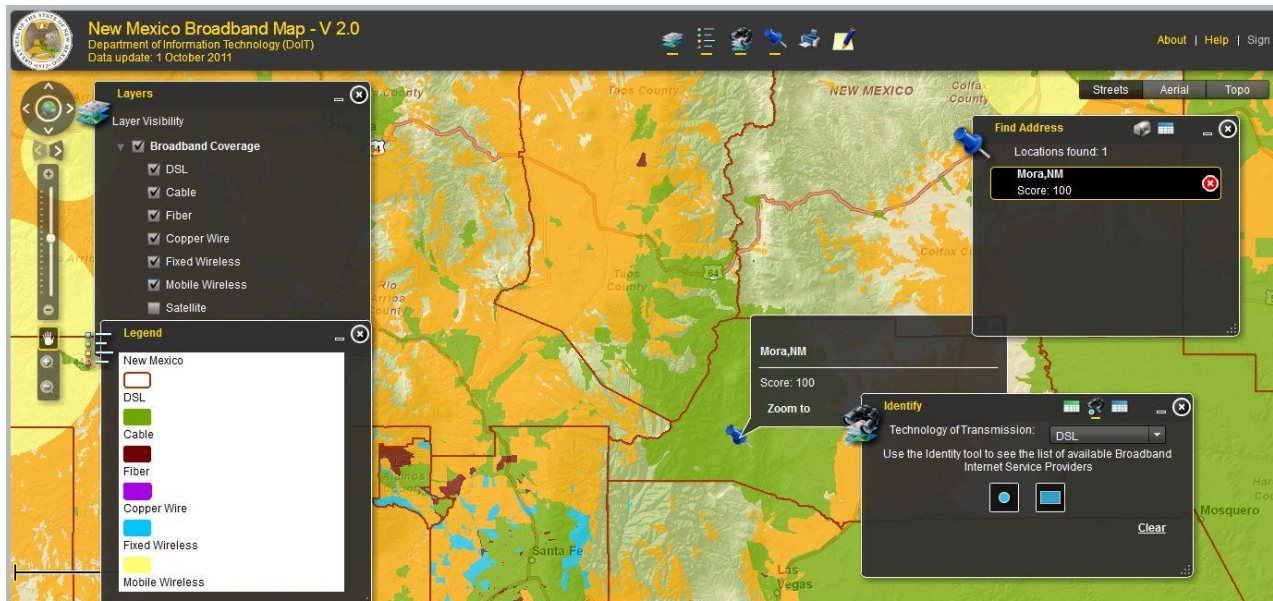


★ CUSTOMER DATA  
1750 Quapaw Lane

# MAPPING: NM BB MAP

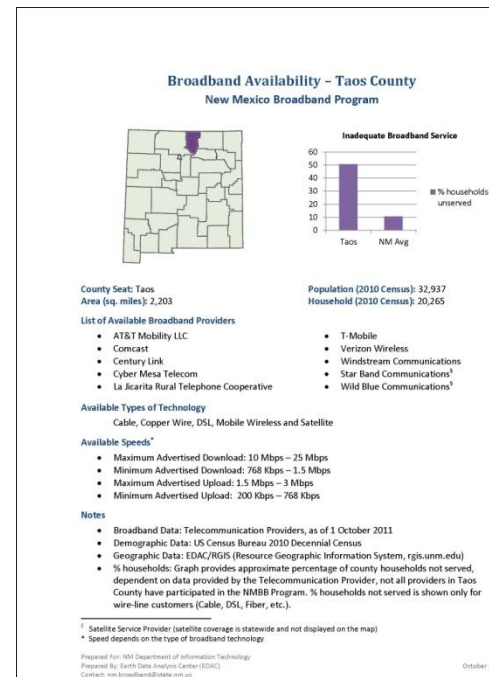
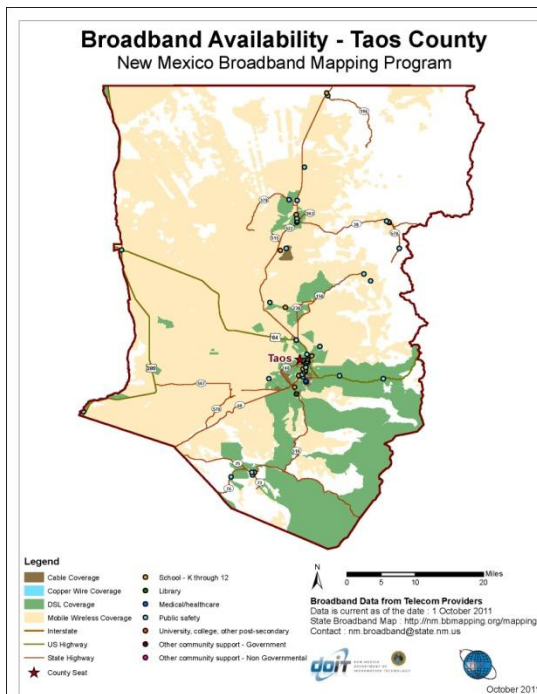


- New Mexico Broadband Map (Availability)
  - Source – Provider Data
  - Type of Technology
  - Search – Address, Community, Area, or Point



# MAPPING: County Stats

- New Mexico County Maps/Stats
  - Maps – Technology Types
  - Stats – Demographics, Providers, Speed



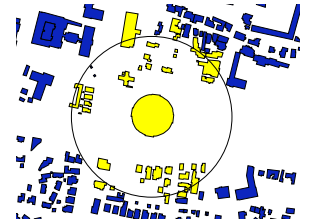




# PLANNING



- Identify Barriers to BB Adoption
  - Market Research and Public Survey
  - Socio-Economic Model Development
- Educate and Market BB Awareness
  - Planning Teams and Training Centers
- Enhance BB Expansion
  - Advertisement and Incentives





# PLANNING: Survey/Market

- Training Success Survey
  - State Library Digital Literacy Follow-up
  - Three Month Changes
- Statewide Planning Networks
  - Existing Structures
    - COG, RTPPO, MPO, USDA Extension
- Sector Work Groups
  - Education, Health, Economic, Native
- Media Stories

BBER Español

1. Código (Número de teléfono)

\*Favor de escribir su número de teléfono (es preferible un teléfono de casa pero si no otro número personal), incluyendo el código de área.

2. Acceso en su domicilio?

\*¿Usted tiene acceso al Internet (o correo electrónico) en su domicilio primario (aún si usted no lo usa)?

☐ Sí

☐ No

3. Tipo de tecnología de internet?

\*El acceso al Internet o correo electrónico en su casa es por medio de "dial-up" (ej. Por la línea telefónica que da un signo de ocupado cuando usted está conectado al Internet) o a través de una conexión rápida (ej. DSL, cable, satélite, o Smartphone)?

☐ Dial-up

☐ Conexión rápida (ej. DSL, cable, satélite, o Smartphone)?

☐ No sé

4. Suscripción de domicilio ó su negocio?

¿Es su suscripción de Internet un contrato de domicilio o su negocio?

☐ Domicilio

☐ Negocio

5. Porque no acceso?

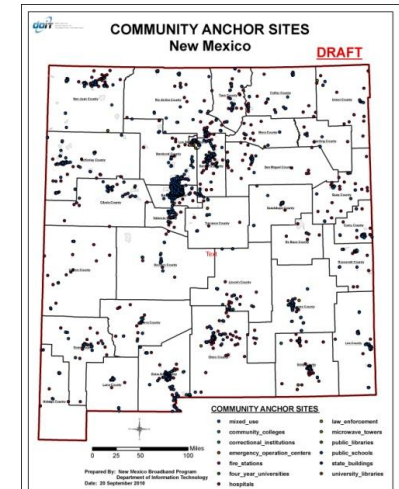


- Coordination

- ## ■ Planning and Implementation

- ## ■ Crowd Sourcing

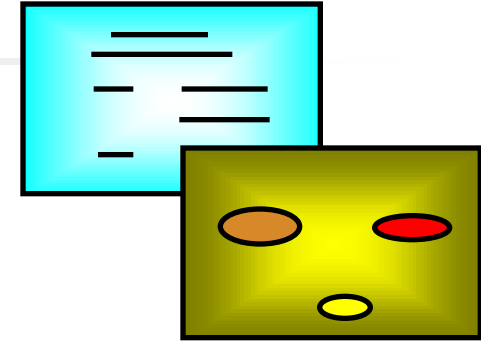
- Update/Maintain Geospatial Features/Data
- Community Anchor Site Assessment (CASA)



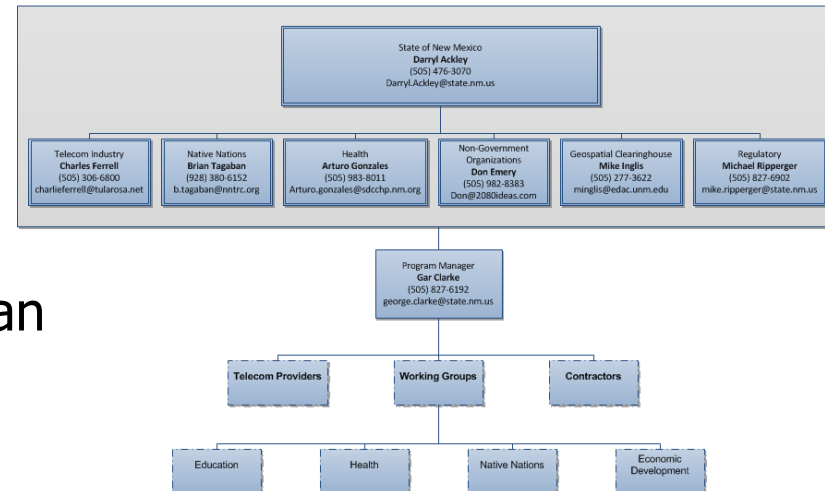
# CAPACITY BUILDING: BBEC

## ■ NM BB Executive Committee

- Governance: Darryl Ackley/Mike Baca
- Industry: Charles Ferrell
- Regulation: Mike Ripperger
- Health: Arturo Gonzales
- Native Nations: Brian Tagaban
- Non Profits: Don Emery
- Education: TBA
- NM Geospatial Data Clearinghouse: Mike Inglis



New Mexico Broadband Executive Committee



# CAPACITY BUILDING: CASA

## ■ Community Anchor Site Assessment

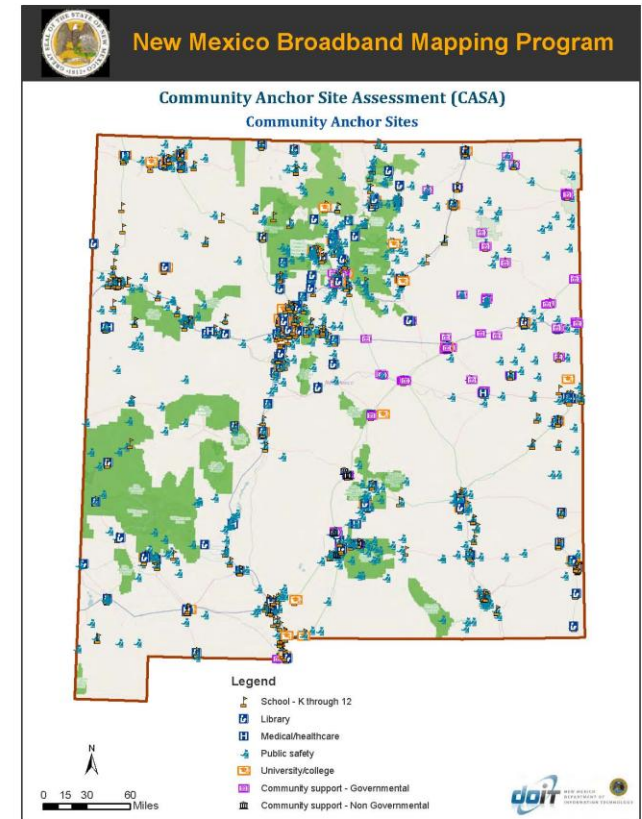
### ■ Integrated Database of Structures

- Fire Stations (Fire Marshall)
- Government Buildings (General Services/LS)
- Health Facilities (Dept. of Health)
- Libraries (State Library)
- Schools (Public Schools Facilities Authority)
- Readiness Centers (National Guard)
- Emergency Operations Center (US DHS/HSIP)
- Miscellaneous (USGS/GNIS)

### ■ Update Strategy - CrowdSourcing

Test CrowdSourcing -

<http://www.doit.state.nm.us/broadband/surveys.shtml>





# TECHNICAL ASSISTANCE

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- Education Inventory
  - Digital Literacy Resource
- Seminars
  - Train the Trainer Series
- Native Lands Pilot
  - Existing and Potential Customers
- Programmatic
  - Specific Community Resource Support



# Leveraging Investment

## ■ Web Map Services

- Emergency Assistance: NMWatch.org
  - Wildfires, Health, Flood, etc.
- State Agencies
- Local Governments

## ■ NM Road Centerline File

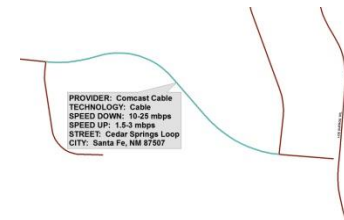
- Collaborative: DFA/E911, DOT, Native Nations, USFS, Census, and Industry

## ■ NM Property Assessment System

- Collaborative: TRD, SLO, and NMAC

## ■ NM Digital Literacy Content and Facility Search Engine

- Collaborative: DOE, DWS, and Non-Profits





# QUESTIONS

## SCIENCE, TECHNOLOGY, AND TELECOMMUNICATIONS

29 November 2011



NEW MEXICO  
DEPARTMENT OF  
INFORMATION TECHNOLOGY



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